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Today's Date: 9/24/2001

DB Name	Query	Hit Count	Set Name
USPT	tangeretin	17	L4
USPT	tangeritin	1	L3
USPT	5792448	2	L2
EPAB,DWPI	2687572	5	L1

[redacted] [redacted] Part 2 of 2

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Trying 3106016892...Open

Welcome to STN International!  Enter x:x
LOGINID:ssspta1621mxw
PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'STNGUIDE' AT 11:04:25 ON 24 SEP 2001
FILE 'STNGUIDE' ENTERED AT 11:04:25 ON 24 SEP 2001
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.00     158.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -1.76

=> d his

     (FILE 'HOME' ENTERED AT 10:46:59 ON 24 SEP 2001)

     FILE 'REGISTRY' ENTERED AT 10:47:09 ON 24 SEP 2001
L1                STRUCTURE UPLOADED
L2             1 S L1 SSS SAM
L3            14 S L1 SSS FULL

     FILE 'REGISTRY' ENTERED AT 10:50:11 ON 24 SEP 2001
L4             1 S L3

     FILE 'CAPLUS' ENTERED AT 10:51:31 ON 24 SEP 2001
L5           369 S L3
L6             3 S L5 AND COSMETIC
L7            53 S L3/THU
L8             5 S L7 AND SKIN
L9            17 S L3/PUR

     FILE 'STNGUIDE' ENTERED AT 10:57:17 ON 24 SEP 2001

=> file registry
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.00     158.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -1.76

FILE 'REGISTRY' ENTERED AT 11:04:38 ON 24 SEP 2001
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STRUCTURE FILE UPDATES:   23 SEP 2001  HIGHEST RN 358331-51-8
DICTIONARY FILE UPDATES:  23 SEP 2001  HIGHEST RN 358331-51-8

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

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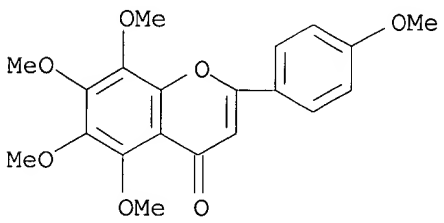
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> d L3/rn
'L3' MUST END IN '/Q', '/A', '/L', '/S' OR '/B'
The saved name for a query (or structure or screen set) must end with '/Q'. The saved name for an answer set must end with '/A'. The saved name for an L# list must end with '/L'. SDI request names must end with '/S'. To see a list of all saved query, answer set,, and L# list names for this loginid, enter "DISPLAY SAVED" at an arrow prompt (=>). Enter "DISPLAY SAVED/S" to see a list of SDI request names. Enter "DISPLAY SAVED/B" to see a list of BATCH search requests.

=> d L3

L3 ANSWER 1 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 315674-37-4 REGISTRY
CN 4H-1-Benzopyran-4-one, 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)-, labeled with tritium (9CI) (CA INDEX NAME)
MF C20 H20 O7
SR CAS Registry Services
IL XH-3



=> d L3 2-14

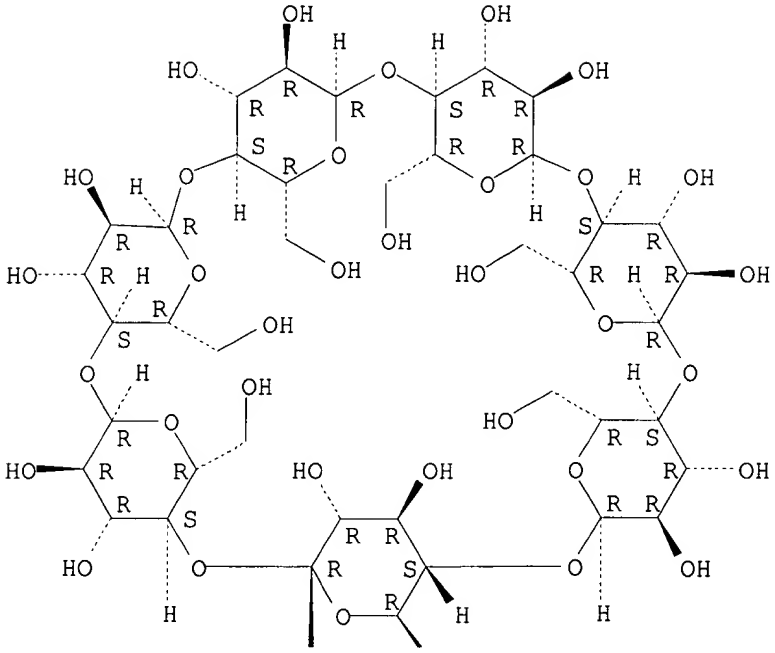
L3 ANSWER 2 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 229152-82-3 REGISTRY
CN .beta.-Cyclodextrin, compd. with 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one (1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4H-1-Benzopyran-4-one, 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)-, compd. with .beta.-cyclodextrin (1:1) (9CI)
FS STEREOSEARCH
MF C42 H70 O35 . C20 H20 O7
SR CA
LC STN Files: CA, CAPLUS

CM 1

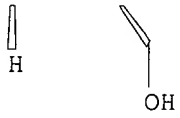
CRN 7585-39-9
CMF C42 H70 O35

Absolute stereochemistry.

PAGE 1-A

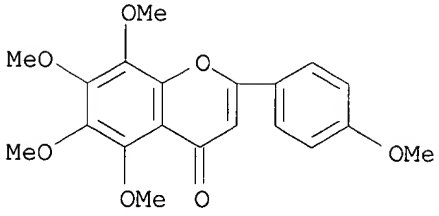


PAGE 2-A



CM 2

CRN 481-53-8
CMF C20 H20 O7



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 3 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 229152-81-2 REGISTRY

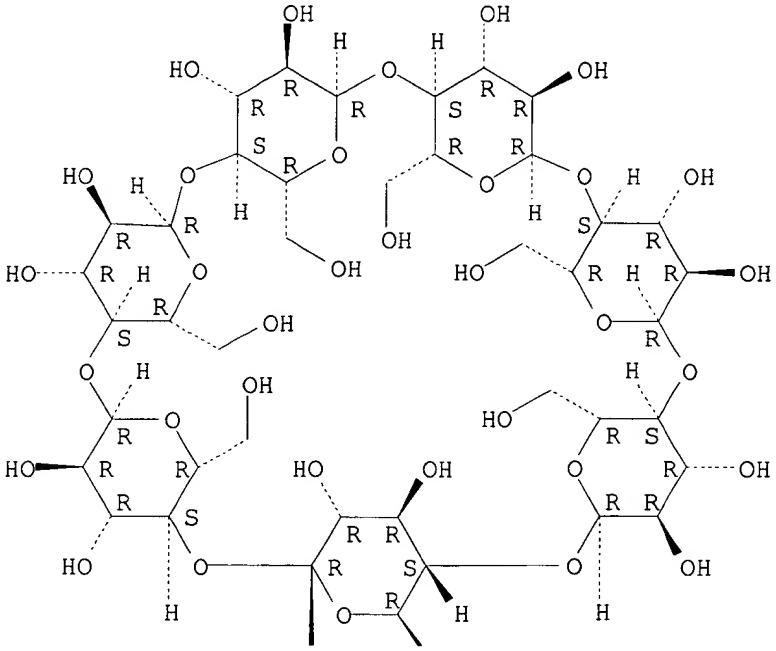
CN .beta.-Cyclodextrin, compd. with 2-(3,4-dimethoxyphenyl)-3,5,6,7,8-pentamethoxy-4H-1-benzopyran-4-one (1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5,6,7,8-pentamethoxy-, compd. with .beta.-cyclodextrin (1:1) (9CI)
FS STEREOSEARCH
MF C42 H70 O35 . C22 H24 O9
SR CA
LC STN Files: CA, CAPLUS

CM 1

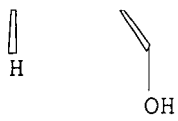
CRN 7585-39-9
CMF C42 H70 O35

Absolute stereochemistry.

PAGE 1-A

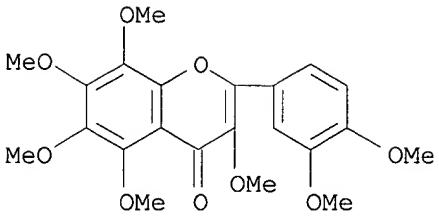


PAGE 2-A



CM 2

CRN 1178-24-1
CMF C22 H24 O9



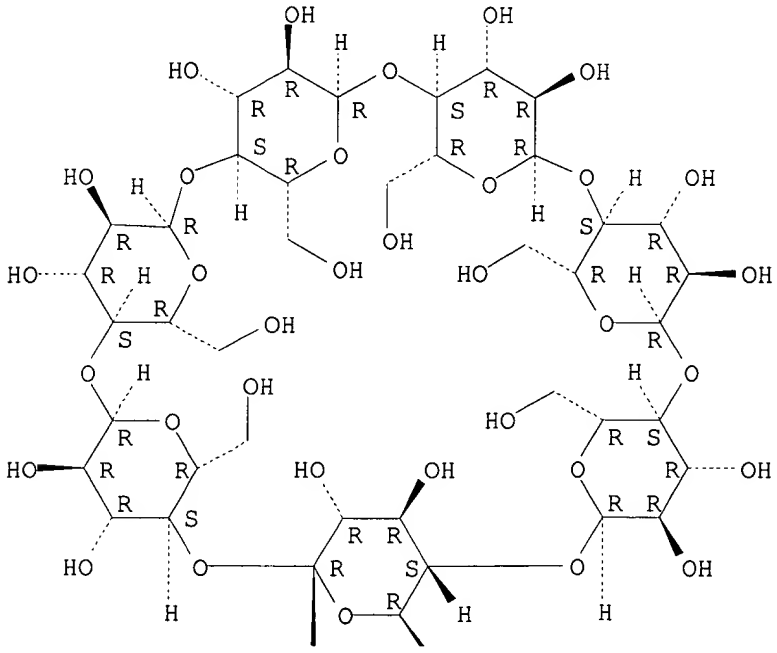
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

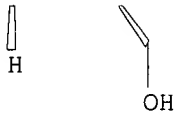
L3 ANSWER 4 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 229152-80-1 REGISTRY
CN .beta.-Cyclodextrin, compd. with 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy-4H-1-benzopyran-4-one (1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy-, compd. with .beta.-cyclodextrin (1:1) (9CI)
FS STEREOSEARCH
MF C42 H70 O35 . C21 H22 O8
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 7585-39-9
CMF C42 H70 O35

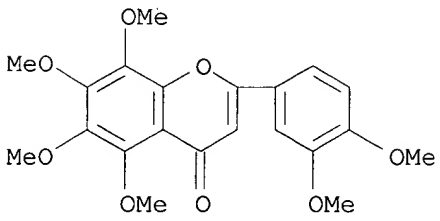
Absolute stereochemistry.





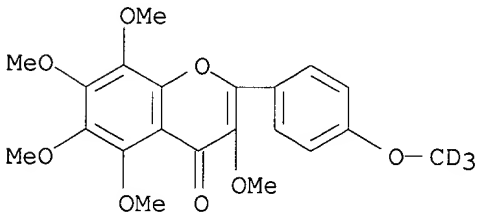
CM 2

CRN 478-01-3
CMF C21 H22 O8



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 5 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 52412-94-9 REGISTRY
CN 4H-1-Benzopyran-4-one, 3,5,6,7,8-pentamethoxy-2-[4-(methoxy-d3)phenyl]-(9CI) (CA INDEX NAME)
MF C21 H19 D3 O8
LC STN Files: CA, CAPLUS



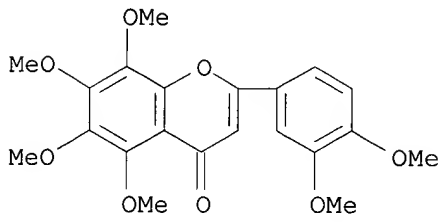
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 6 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 51901-05-4 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy-, mixt. with sulfinylbis[methane] (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Methane, sulfinylbis-, mixt. contg. (9CI)
OTHER NAMES:
CN Dimethyl sulfoxide-Nobiletine mixture
MF C21 H22 O8 . C2 H6 O S

CI MXS
LC STN Files: CA, CAPLUS, TOXLIT

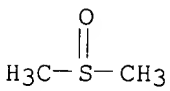
CM 1

CRN 478-01-3
CMF C21 H22 O8



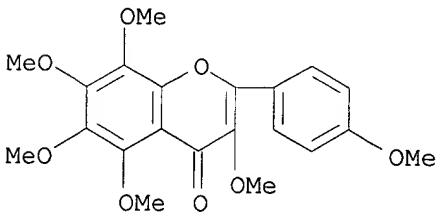
CM 2

CRN 67-68-5
CMF C2 H6 O S



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

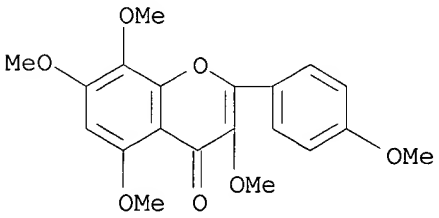
L3 ANSWER 7 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 34170-18-8 REGISTRY
CN 4H-1-Benzopyran-4-one, 3,5,6,7,8-pentamethoxy-2-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3,4',5,6,7,8-hexamethoxy- (6CI, 8CI)
MF C21 H22 O8
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXLIT
(*File contains numerically searchable property data)



9 REFERENCES IN FILE CA (1967 TO DATE)
9 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

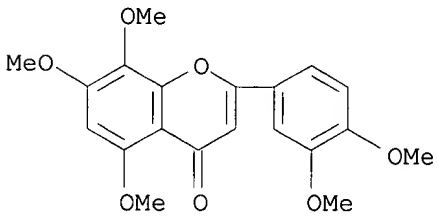
L3 ANSWER 8 OF 14 REGISTRY COPYRIGHT 2001 ACS

RN 24027-55-2 REGISTRY
CN 4H-1-Benzopyran-4-one, 3,5,7,8-tetramethoxy-2-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3,4',5,7,8-pentamethoxy- (7CI, 8CI)
OTHER NAMES:
CN 3,5,7,8,4'-Pentamethoxyflavone
CN Tambulin dimethyl ether
FS 3D CONCORD
MF C20 H20 O7
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXLIT
(*File contains numerically searchable property data)



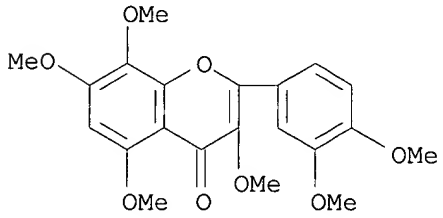
12 REFERENCES IN FILE CA (1967 TO DATE)
12 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 9 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 17290-70-9 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,7,8-trimethoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3',4',5,7,8-pentamethoxy- (8CI)
OTHER NAMES:
CN 3',4',5,7,8-Pentamethoxyflavone
CN 5,7,8,3',4'-Pentamethoxyflavone
CN 6-Demethoxynobiletin
CN Isosinensetin
FS 3D CONCORD
DR 78590-15-5
MF C20 H20 O7
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, NAPRALERT, SPECINFO, TOXLIT, USPATFULL
(*File contains numerically searchable property data)



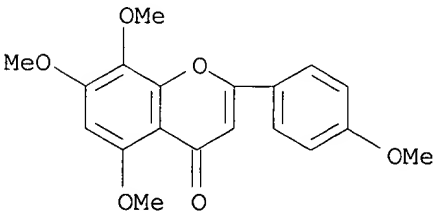
50 REFERENCES IN FILE CA (1967 TO DATE)
50 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 10 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 7741-47-1 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5,7,8-tetramethoxy-
(9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3,3',4',5,7,8-hexamethoxy- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 3,3',4',5,7,8-Hexamethoxyflavone
CN 3,5,7,8,3',4'-Hexamethoxyflavone
CN Gossypetin hexamethyl ether
FS 3D CONCORD
MF C21 H22 O8
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, NAPRALERT,
SPECINFO, TOXLINE, TOXLIT
(*File contains numerically searchable property data)



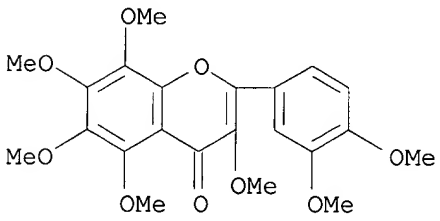
33 REFERENCES IN FILE CA (1967 TO DATE)
33 REFERENCES IN FILE CAPLUS (1967 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 11 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 6601-66-7 REGISTRY
CN 4H-1-Benzopyran-4-one, 5,7,8-trimethoxy-2-(4-methoxyphenyl)- (9CI) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 4',5,7,8-tetramethoxy- (7CI, 8CI)
OTHER NAMES:
CN 4',5,7,8-Tetramethoxyflavone
CN 6-Demethoxytangeretin
CN 6-Demethoxytangeritin
CN Tetra-O-methylisoscutellarein
FS 3D CONCORD
MF C19 H18 O6
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD,
CAPLUS,
NAPRALERT, SPECINFO, TOXLIT
(*File contains numerically searchable property data)



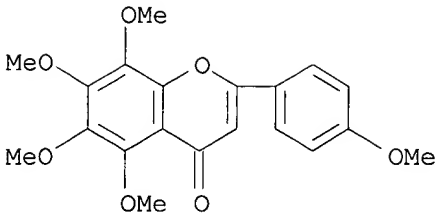
46 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
46 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 12 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 1178-24-1 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5,6,7,8-pentamethoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3,3',4',5,6,7,8-heptamethoxy- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 3',4',3,5,6,7,8-Heptamethoxyflavone
CN 3,3',4',5,6,7,8-Heptamethoxyflavone
CN 3,5,6,7,8,3',4'-Heptamethoxyflavone
MF C22 H24 O9
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CHEMCATS, IFICDB, IFIPAT, IFIUDB, MEDLINE, NAPRALERT, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)



103 REFERENCES IN FILE CA (1967 TO DATE)
103 REFERENCES IN FILE CAPLUS (1967 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 13 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 481-53-8 REGISTRY
CN 4H-1-Benzopyran-4-one, 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 4',5,6,7,8-pentamethoxy- (7CI, 8CI)
CN Tangeretin (6CI)
OTHER NAMES:
CN 4',5,6,7,8-Pentamethoxyflavone
CN 5,6,7,8,4'-Pentamethoxyflavone
CN Ponkanetin
CN Tangeritin
MF C20 H20 O7
CI COM
LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



271 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
271 REFERENCES IN FILE CAPLUS (1967 TO DATE)
14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 14 OF 14 REGISTRY COPYRIGHT 2001 ACS
RN 478-01-3 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy- (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3',4',5,6,7,8-hexamethoxy- (7CI, 8CI)
CN Nobiletin (6CI)
OTHER NAMES:
CN 3',4',5,6,7,8-Hexamethoxyflavone
CN 5,6,7,8,3',4'-Hexamethoxyflavone
MF C21 H22 O8
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT, PROMT, SPECINFO, TOXLINE, TOXLIT, USPATFULL
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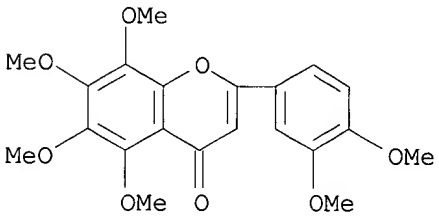

210 REFERENCES IN FILE CA (1967 TO DATE)
210 REFERENCES IN FILE CAPLUS (1967 TO DATE)
14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

Part 1 of 2

```
Trying 3106016892...Open

Welcome to STN International!  Enter x:x
LOGINID:ssspta1621mxw
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *  Welcome to STN International  * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Dec 17  The CA Lexicon available in the CAPLUS and CA files
 NEWS  3  Feb 06  Engineering Information Encompass files have new names
 NEWS  4  Feb 16  TOXLINE no longer being updated
 NEWS  5  Apr 23  Search Derwent WPINDEX by chemical structure
 NEWS  6  Apr 23  PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
 NEWS  7  May 07  DGENE Reload
 NEWS  8  Jun 20  Published patent applications (A1) are now in USPATFULL
 NEWS  9  JUL 13  New SDI alert frequency now available in Derwent's
                  DWPI and DPCI
 NEWS 10  Aug 23  In-process records and more frequent updates now in
                  MEDLINE
 NEWS 11  Aug 23  PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
 NEWS 12  Aug 23  Adis Newsletters (ADISNEWS) now available on STN
 NEWS 13  Sep 17  IMSworld Pharmaceutical Company Directory name change
                  to PHARMASEARCH

 NEWS EXPRESS  August 15 CURRENT WINDOWS VERSION IS V6.0c,
               CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
               AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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  * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *



FILE 'HOME' ENTERED AT 10:46:59 ON 24 SEP 2001

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.15       0.15

FILE 'REGISTRY' ENTERED AT 10:47:09 ON 24 SEP 2001
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```

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DICTIONARY FILE UPDATES: 23 SEP 2001 HIGHEST RN 358331-51-8

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

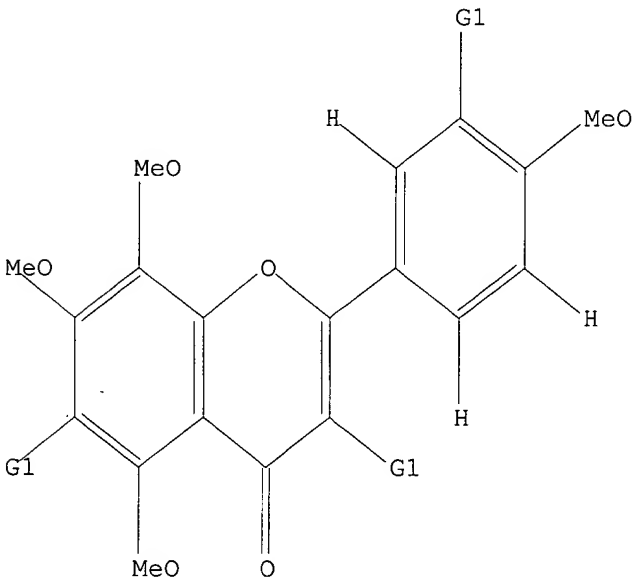
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=>
Uploading 09837129a.str

L1 STRUCTURE UPLOADED

=> d L1
L1 HAS NO ANSWERS
L1 STR



G1 MeO,H

Structure attributes must be viewed using STN Express query preparation.

=> s L1 sss sam
SAMPLE SEARCH INITIATED 10:47:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 255 TO ITERATE

100.0% PROCESSED 255 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

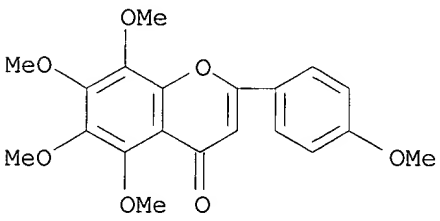
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4142 TO 6058
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> d L1 scan
L1 HAS NO ANSWERS

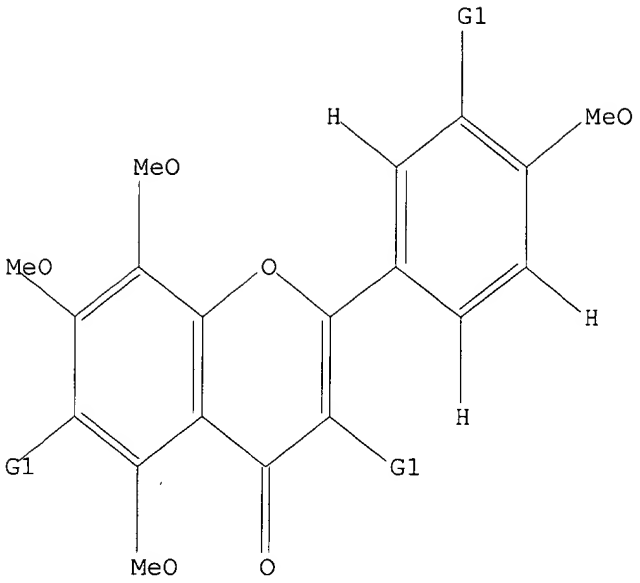
=> d l2 scan

L2 1 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)- (9CI)
MF C20 H20 O7
CI COM



ALL ANSWERS HAVE BEEN SCANNED

=> d L1 sss full
L1 HAS NO ANSWERS
'SSS FULL ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains data. (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains data.
SDA ----- All Structure DAta (image, attributes, connection table and map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIM), NOS:
ENTER STRUCTURE FORMAT (SIM), NOS:0
'0' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains data. (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains data.
SDA ----- All Structure DAta (image, attributes, connection table and map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIM), NOS:sim
L1 STR



G1 MeO,H

Structure attributes must be viewed using STN Express query preparation.

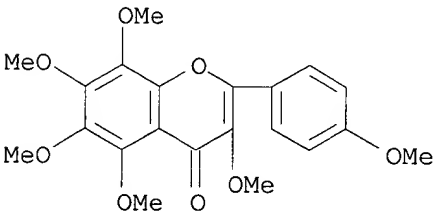
=> s L1 sss full
FULL SEARCH INITIATED 10:49:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5289 TO ITERATE

100.0% PROCESSED 5289 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

L3 14 SEA SSS FUL L1

=> d L3 scan

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 3,5,6,7,8-pentamethoxy-2-(4-methoxyphenyl)- (9CI)
MF C21 H22 O8



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

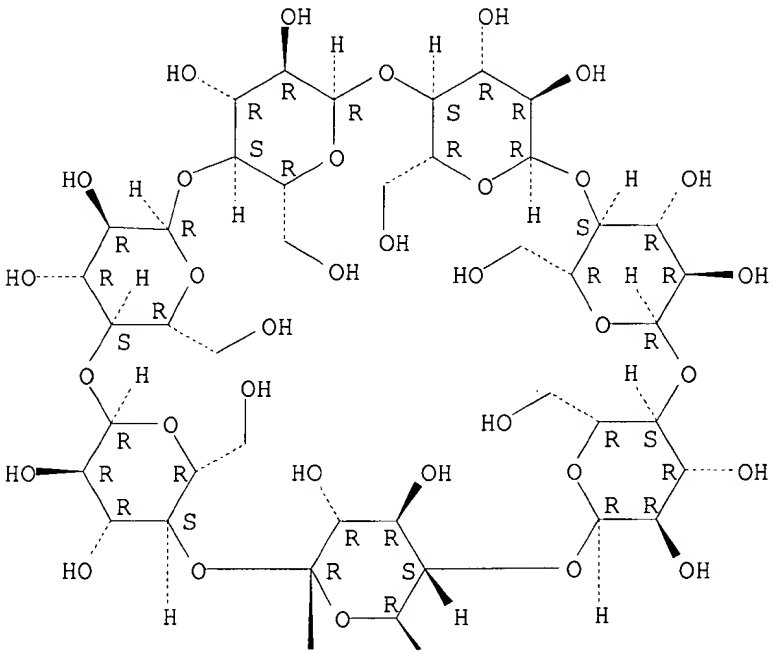
L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN .beta.-Cyclodextrin, compd. with 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy-4H-1-benzopyran-4-one (1:1) (9CI)
MF C42 H70 O35 . C21 H22 O8

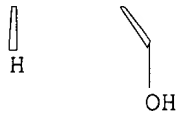
CM 1

Absolute stereochemistry.

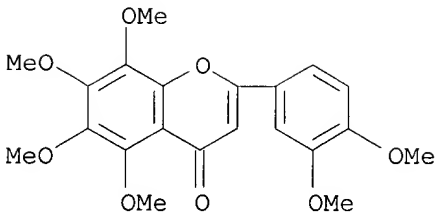
PAGE 1-A



PAGE 2-A

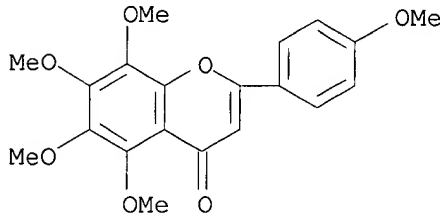


CM 2



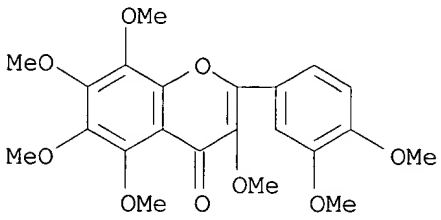
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)-, labeled with tritium (9CI)
MF C20 H20 O7



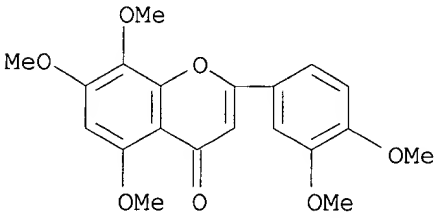
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5,6,7,8-pentamethoxy- (9CI)
MF C22 H24 O9
CI COM



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,7,8-trimethoxy- (9CI)
MF C20 H20 O7

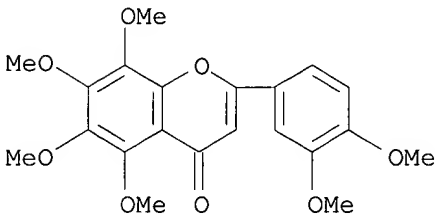


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

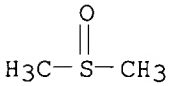
L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy-, mixt. with sulfinylbis[methane] (9CI)
MF C21 H22 O8 . C2 H6 O S
CI MXS

CM 1



CM 2



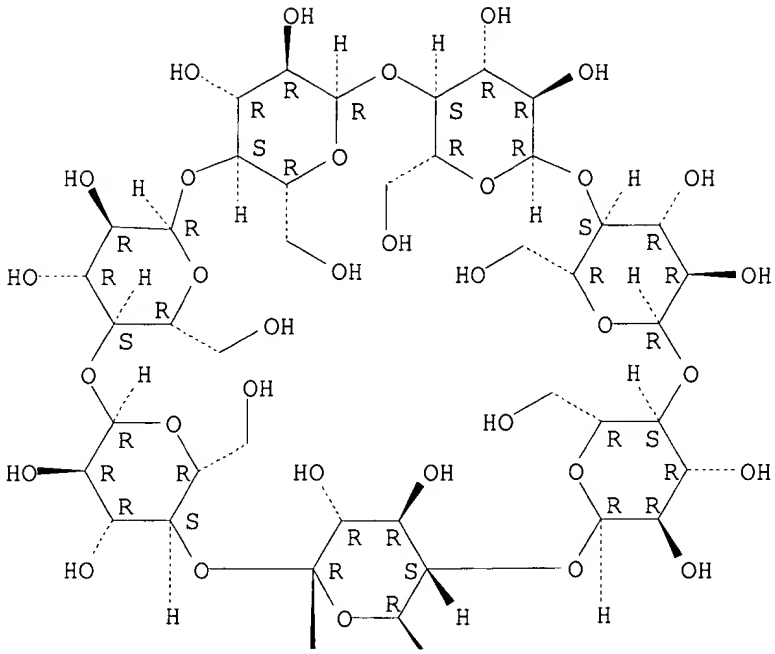
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN .beta.-Cyclodextrin, compd. with 2-(3,4-dimethoxyphenyl)-3,5,6,7,8-pentamethoxy-4H-1-benzopyran-4-one (1:1) (9CI)
MF C42 H70 O35 . C22 H24 O9

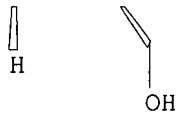
CM 1

Absolute stereochemistry.

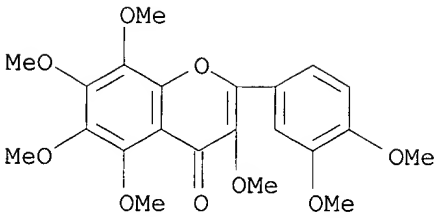
PAGE 1-A



PAGE 2-A

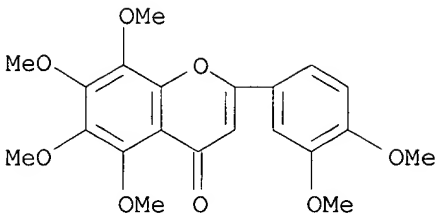


CM 2



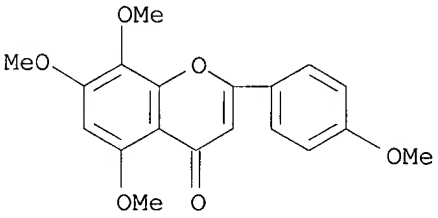
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,6,7,8-tetramethoxy-(9CI)
MF C21 H22 O8
CI COM



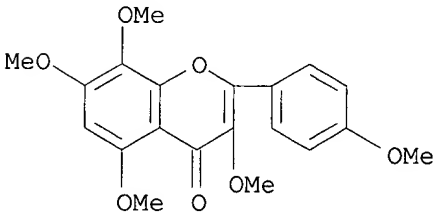
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 5,7,8-trimethoxy-2-(4-methoxyphenyl)- (9CI)
MF C19 H18 O6



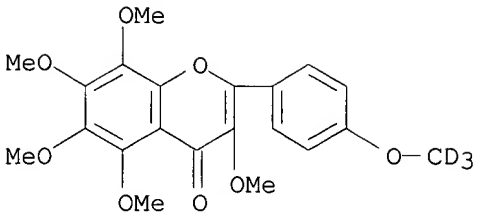
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 3,5,7,8-tetramethoxy-2-(4-methoxyphenyl)- (9CI)
MF C20 H20 O7



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 3,5,6,7,8-pentamethoxy-2-[4-(methoxy-d3)phenyl]-
(9CI)
MF C21 H19 D3 O8



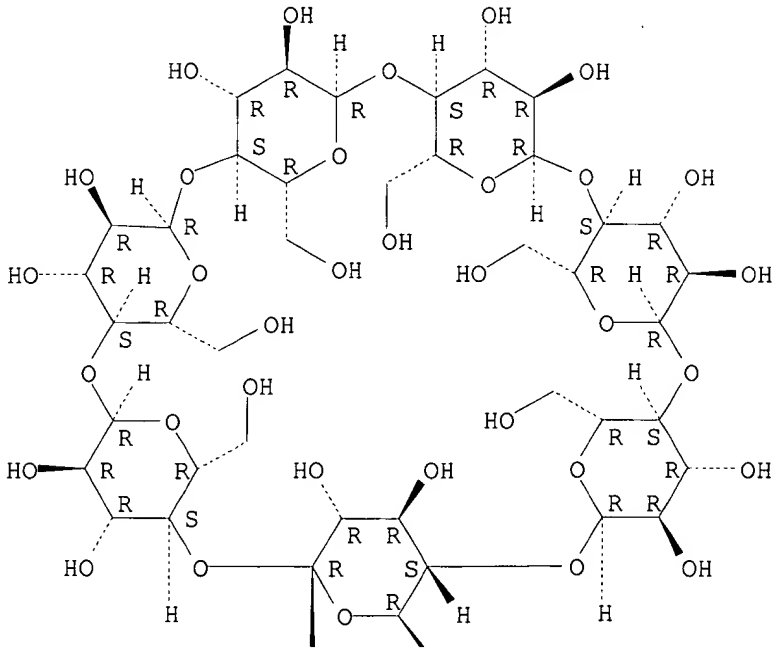
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN .beta.-Cyclodextrin, compd. with
5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)-
4H-1-benzopyran-4-one (1:1) (9CI)
MF C42 H70 O35 . C20 H20 O7

CM 1

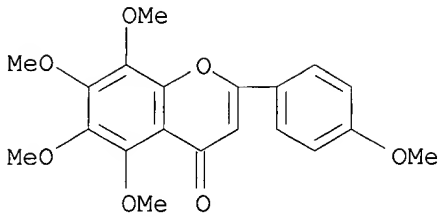
Absolute stereochemistry.

PAGE 1-A



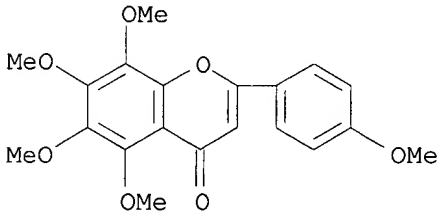
PAGE 2-A

CM 2



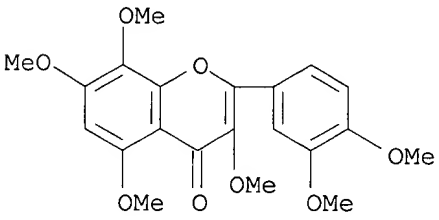
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 5,6,7,8-tetramethoxy-2-(4-methoxyphenyl)- (9CI)
MF C20 H20 O7
CI COM



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 14 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-3,5,7,8-tetramethoxy-
(9CI)
MF C21 H22 O8



ALL ANSWERS HAVE BEEN SCANNED

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	134.80	134.95

FILE 'REGISTRY' ENTERED AT 10:50:11 ON 24 SEP 2001
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STRUCTURE FILE UPDATES: 23 SEP 2001 HIGHEST RN 358331-51-8
DICTIONARY FILE UPDATES: 23 SEP 2001 HIGHEST RN 358331-51-8

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> d his

(FILE 'HOME' ENTERED AT 10:46:59 ON 24 SEP 2001)

FILE 'REGISTRY' ENTERED AT 10:47:09 ON 24 SEP 2001
L1 STRUCTURE UPLOADED
L2 1 S L1 SSS SAM
L3 14 S L1 SSS FULL

FILE 'REGISTRY' ENTERED AT 10:50:11 ON 24 SEP 2001

=> s L3
SAMPLE SEARCH INITIATED 10:51:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 255 TO ITERATE

100.0% PROCESSED 255 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4142 TO 6058
PROJECTED ANSWERS: 1 TO 80

L4 1 SEA SSS SAM L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.62 135.57

FILE 'CAPLUS' ENTERED AT 10:51:31 ON 24 SEP 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1947 - 24 Sep 2001 VOL 135 ISS 14
FILE LAST UPDATED: 23 Sep 2001 (20010923/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.


```
=> s L3
L5          369 L3

=> s L5 and cosmetic
          37070 COSMETIC
          35434 COSMETICS
          48574 COSMETIC
                (COSMETIC OR COSMETICS)
L6            3 L5 AND COSMETIC

=> d L6 1-3 ti

L6   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2001 ACS
TI   Lipolytic agent as health food and cosmetic for treatment of
     obesity

L6   ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2001 ACS
TI   Cosmetic composition containing a metal oxide nanopigment and an
     antioxidant for hair and skin protection

L6   ANSWER 3 OF 3  CAPLUS  COPYRIGHT 2001 ACS
TI   Cosmetic compositions containing flavonoids


=> d L6 3 ibib,abs

L6   ANSWER 3 OF 3  CAPLUS  COPYRIGHT 2001 ACS
ACCESSION NUMBER:         1994:173131  CAPLUS
DOCUMENT NUMBER:          120:173131
TITLE:                    Cosmetic compositions containing flavonoids
INVENTOR(S):              Beck, Irena; Hocquaux, Michel; Tournaire, Cecile
PATENT ASSIGNEE(S):       Oreal S. A., Fr.
SOURCE:                   Fr. Demande, 14 pp.
                          CODEN: FRXXBL
DOCUMENT TYPE:            Patent
LANGUAGE:                 French
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2687572	A1	19930827	FR 1992-2247	19920226
FR 2687572	B1	19950609		

OTHER SOURCE(S): MARPAT 120:173131

AB **Cosmetic** compns. contg. flavonoids which have a double bond on position 2,3 and OH on position 3 are used for protection of the skin (Markush structure given). A cream contained Sinowax AO 7, Gelcol 2, cetyl alc. 1.5, iso-Pr myristate 1.5, vaseline 15.0, propylene glycol 10.0, glycerin 10.0, catechin 0.5, preservatives q.s. and water q.s. 100g.

```
=> s L3/thu
          369 L3
       396285 THU/RL
L7          53 L3/THU
                (L3 (L) THU/RL)

=> s L7 and skin
       156526 SKIN
         5617 SKINS
       159382 SKIN
                (SKIN OR SKINS)
L8           5 L7 AND SKIN

=> d L8 1-5 ti

L8   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2001 ACS
TI   Compositions and methods for treatment of neoplastic diseases with
     combinations of limonoids, flavonoids and tocotrienols

L8   ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2001 ACS
TI   Cancer chemopreventive activity of 3,5,6,7,8,3',4'-heptamethoxyflavone
     from the peel of citrus plants

L8   ANSWER 3 OF 5  CAPLUS  COPYRIGHT 2001 ACS
TI   Inhibitory effect of citrus nobiletin on phorbol ester-induced
     skin inflammation, oxidative stress, and tumor promotion in mice

L8   ANSWER 4 OF 5  CAPLUS  COPYRIGHT 2001 ACS
TI   Inhibitory effect of flavonoids from Citrus plants on Epstein-Barr virus
     activation and two-stage carcinogenesis of skin tumors

L8   ANSWER 5 OF 5  CAPLUS  COPYRIGHT 2001 ACS
TI   Compositions and methods of inhibiting neoplastic and cardiovascular
     diseases with compounds related to limocitrin and 5-desmethyl sinensetin


=> s L3/pur
          369 L3
       151393 PUR/RL
L9          17 L3/PUR
                (L3 (L) PUR/RL)

=> d L9 1-17 ti

L9   ANSWER 1 OF 17  CAPLUS  COPYRIGHT 2001 ACS
TI   Inhibitors of 15-Lipoxygenase from Orange Peel
```

L9 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Studies on chemical constituents of processed green tangerine peel

L9 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Pharmaceuticals and foods containing flavonoids as inhibitors of formation
of matrix metalloproteinase (MMP) and its precursor

L9 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI A new oxyprenyl coumarin and highly methylated flavones from the exudate of Ozothamnus lycopodioides (Asteraceae)

L9 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Chemical constituents of Tripterygium wilfordii

L9 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Isolation and Identification of New Polymethoxyflavonoids from Dancy Tangerine Leaves

L9 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Studies on the chemical constituents Yengmaoercao (Hedyotis lindleyanu)

L9 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Study on the constituents of flavonoids and other substances from peel of Citrus Sinensis (L.) Osbeck

L9 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI The genuineness of citrus oils. Note LV. Composition of mandarin essential
oil produced in 1996/97

L9 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI On the chemical, botanical, and chemotaxonomical evaluation of the genus Citrus. Part I: polymethoxyflavones of the leaf of Citrus deliciosa Ten.

L9 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Two New Polymethoxylated Flavones, a Class of Compounds with Potential Anticancer Activity, Isolated from Cold Pressed Dancy Tangerine Peel Oil Solids

L9 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Chemical constituents from roots of Jatropha curcas

L9 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Isolation of anti-leukemia compounds from Citrus reticulata

L9 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Flavonoids of mandarin fruit refuse and their fungistatic action on the fungus Phoma tracheiphila

L9 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Isolation of polymethoxyflavones from sweet and Mandarin orange essential oils using column chromatography and semipreparative HPLC with a recycle valve

L9 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Cardiotonic flavonoids from Citrus plants (Rutaceae)

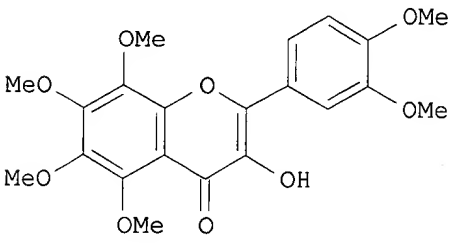
L9 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2001 ACS

TI Further pyrano flavones from Neoraputia alba

=> d L9 15-16 ibib,abs

L9 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:538084 CAPLUS
DOCUMENT NUMBER: 122:273747
TITLE: Isolation of polymethoxyflavones from sweet and Mandarin orange essential oils using column chromatography and semipreparative HPLC with a recycle valve
AUTHOR(S): Mondello, Luigi; Dugo, Paola; Stagno d'Alcontres, Ildefonsa
CORPORATE SOURCE: Facolta di Farmacia, Univ. Messina, Italy
SOURCE: Essenze, Deriv. Agrum. (1993), 63(4), 395-406
CODEN: EDAGAH; ISSN: 0014-0902
DOCUMENT TYPE: Journal
LANGUAGE: Italian
AB A method for the isolation of polymethoxylated flavones (PMF) from sweet orange and mandarin essential oils using chromatog. on a silica gel column and HPLC with recycle valve, using "peak shaving" technique is reported. The pure PMF were used to construct calibration curves against coumarin for the quant. estn. of PMF in the two essential oils.

L9 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:437431 CAPLUS
DOCUMENT NUMBER: 122:183243
TITLE: Cardiotonic flavonoids from Citrus plants (Rutaceae)
AUTHOR(S): Itoigawa, Masataka; Takeya, Kazumi; Furukawa, Hiroshi
CORPORATE SOURCE: Tokaigakuen Women's College, Nagoya, 468, Japan
SOURCE: Biol. Pharm. Bull. (1994), 17(11), 1519-21
CODEN: BPBLEO; ISSN: 0918-6158
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB Two flavonoids, 3,5,6,7,8,3',4'-heptamethoxyflavone (HEPTA) and natsudaidain (I) isolated from Citrus plants (Rutaceae), produced a pos. inotropic effect (PIE) on guinea-pig papillary muscle. I (pD2 4.98.+-.0.07) was more potent than HEPTA, but the max. PIE of HEPTA was greater than that of I. The PIE of HEPTA was completely inhibited by reserpinization of the guinea pig, and partially inhibited by metoprolol and carbachol. The carbachol inhibition was omitted by atropine. The mechanism of PIE of HEPTA is accounted for catecholamine release from

cardiac tissue.

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L2           1 S L1 SSS SAM
L3          14 S L1 SSS FULL

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L4           1 S L3

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L5         369 S L3
L6           3 S L5 AND COSMETIC
L7          53 S L3/THU
L8           5 S L7 AND SKIN
L9          17 S L3/PUR

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